**Supplementary Table 2: Antibodies**

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| **Antibody** | **Reference** |
| Actin | Cell Signaling 4967 |
| Akt | Cell Signaling 9272 |
| ATGL | Cell Signaling 2138  |
| ATPB | Abcam 14730 |
| COX IV | Cell Signaling 4844 |
| HSL | Cell Signaling 4107 |
| mTOR | Cell Signaling 2972 |
| NDUFA10 | Santa Cruz 376357 |
| p-Akt473 | Cell Signaling 9271 |
| p-HSL563 | Cell Signaling 4139 |
| p-mTOR2448 | Cell Signaling 2974 |
| p-mTOR2481 | Cell Signaling 2971 |
| POX | Abcam 93210  |
| Rieske FeS | Santa Cruz 271609 |
| SDHA | Cell Signaling 5839 |
| UCP1 | Chemicon 1426 |